

Reduced Weight Guide link

Abstract

An improvement for a system for supporting lateral loads on a piston undergoing reciprocating motion along a longitudinal axis in a cylinder includes a guide link for coupling the piston to a crankshaft undergoing rotary motion about a rotation axis of the crankshaft where the longitudinal axis and the rotation axis are substantially orthogonal to each other. The improvement includes a guideway insert for the guide link that facilitates fabricating the guide link from materials with different wear-resistance characteristics.